

# Illinois

## Science and Engineering Profile

	STATE	U.S.	Rank		STATE	U.S.	Rank
Doctoral scientists, 1995	18,868	453,928	7	Total R&D performance, 1995 (millions)	\$7,487	\$177,210	7
Doctoral engineers, 1995	3,204	86,738	9	Industry R&D, 1995 (millions)	\$5,776	\$130,332	7
S&E doctorates awarded, 1996	1,476	27,230	5	Academic R&D, 1996 (millions)	\$876	\$22,481	7
of which, in engineering	22%	23%		of which, in life sciences	53%	56%	
in life sciences	21%	25%		in engineering	13%	16%	
in social sciences	20%	15%		in physical sciences	11%	10%	
S&E postdoctorates, 1996	1,140	37,019	9	Higher education current-fund expenditures, 1995 (millions)	\$9,397	\$182,602	5
in doctorate-granting institutions							
S&E graduate students, 1996	21,229	430,631	5	Number of SBIR awards, 1990-1997	457	31,155	19
in doctorate-granting institutions				Patents issued to state residents, 1997	3,007	61,699	5
Population, 1997 (000s)	11,896	271,464	6	Gross state product, 1996 (billions)	\$370.8	\$7,677.4	4
Civilian labor force, 1997 (000s)	6,130	137,564	5	of which, agriculture	1%	2%	
Personal income per capita, 1997	\$28,202	\$25,598	8	manufacturing, mining, construction	24%	23%	
Federal spending				transportation, communication, utilities	9%	8%	
Total expenditures, 1997 (millions)	\$52,818	\$1,405,060	7	wholesale and retail trade	16%	16%	
R&D obligations, 1996 (millions)	\$1,093	\$66,087	18	finance, insurance, real estate	19%	19%	
				services	21%	20%	
				government	10%	12%	

Rankings and totals are based on data for the 50 states, D.C., and Puerto Rico.

Data on S&E postdoctorates and S&E graduate students include health fields.

## Federal Obligations for Research and Development by Agency and Performer: Fiscal Year 1996

[Thousands of Dollars]

	Total	Federal Intramural	All FFRDCs	Industrial firms	Universities & Colleges	Other nonprofits	State & local government	State rank
<b>Total, all agencies</b>	1,093,305	80,585	390,487	122,340	449,973	47,502	2,418	18
<b>Department of Agriculture</b>	39,530	29,692	0	82	9,257	20	479	7
<b>Department of Commerce</b>	12,764	3	144	11,618	999	0	0	20
<b>Department of Defense</b>	134,324	38,501	4,780	45,826	43,733	1,484	0	28
<b>Department of Energy</b>	460,828	8,199	385,343	34,266	33,020	0	0	4
<b>Dept. of Health &amp; Human Services</b>	289,250	836	0	5,531	244,313	38,420	150	11
<b>Department of Interior</b>	2,442	2,290	0	0	152	0	0	44
<b>Department of Transportation</b>	16,958	0	0	14,198	971	0	1,789	7
<b>Environmental Protection Agency</b>	1,020	0	0	270	750	0	0	31
<b>Nat'l Aeronautics &amp; Space Admin.</b>	15,597	460	220	4,130	10,579	208	0	24
<b>National Science Foundation</b>	120,592	604	0	6,419	106,199	7,370	0	4
<b>State rank</b>	18	26	3	27	8	12	24	

Federal R&D obligations are as reported by funding agencies.

FFRDC = federally funded research and development center

SBIR = small business innovation research

na = not applicable